

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Gammexane is	A. Chlorobenzene B. Benzyl chloride C. Brommobenzene D. Benzene hexachloride
2	Which of the following is fully fluorinated polymer?	A. Neoprene B. Teflon C. Thiokol D. PVC
3	Ethyl acetate is obtained when methyl magnesium iodide reacts with	A. Ethyl formate B. Ethyl chloroformate C. Acetyl chloride D. carbondioxide
4	Replacement of Cl of Chlorobenzene to give phenol requires drastic conditions but chlorine of 2, 4-Dinitrochlorobenzene is readily replaced because	A. NO <sub>2</sub> makes the electron rich ring at ortho and para positions B. NO <sub>2</sub> withdraws electrons at metaposition C. NO <sub>2</sub> donate electrons at m-position D. NO <sub>2</sub> withdraws electrons at ortho and para position
5	Standard reduction of Zn = -0.76 V and that of Ni is -0.25 V. On coupling them by a salt bridge which of these will act as anode	A. Salt bridge will act as anode B. Zn will act as anode C. Ni will act as anode D. None of these
6	Which quantum number is sufficient to describe the electron in hydrogen atom?	A. l B. n C. m D. s
7	Which of the following liquid pairs shown a positive deviation from Raoult's law	A. CH <sub>3</sub> COOH + CH <sub>3</sub> Cl B. C <sub>6</sub> H <sub>6</sub> + CH <sub>3</sub> OH C. H <sub>2</sub> O + HCl D. H <sub>2</sub> O + HNO <sub>3</sub>
8	A property which differs fluorine from the other halogens?	A. Direct combination with inert gases B. Uninegative C. Diatomic D. ns <sup>2</sup> , np <sup>5</sup>
9	Metal used in the preparation of Grignard's reagent is:	A. Ca B. Na C. Mg D. Zn
10	The solubility product of AgCl is $2.0 \times 10^{-10} \text{ mol}^2 \text{ dm}^{-6}$ . The maximum concentration of Ag <sup>+</sup> ions in the solution is	A. $2.0 \times 10^{-10} \text{ mol dm}^{-3}$ B. $1.41 \times 10^{-5} \text{ mol dm}^{-3}$ C. $1.0 \times 10^{-10} \text{ mol dm}^{-3}$ D. $4.0 \times 10^{-20} \text{ mol dm}^{-3}$
11	In its reaction with Na, 1 mol of X gives 1 mol of H <sub>2</sub> (g). What is X	A. CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH B. (CH <sub>3</sub> ) <sub>3</sub> COH C. CH <sub>3</sub> CH <sub>2</sub> CO <sub>2</sub> H D. CH <sub>3</sub> CH(OH)CO <sub>2</sub> H
12	If an endothermic reaction is allowed to take place very rapidly in the air, the temperature of the surrounding air:	A. Remains constant. B. Increase. C. Decreases. D. Remain unchanged.
13	Organic acid without a carboxylic acid group is	A. Ascorbic acid B. Vinegar C. Oxalic acid D. Picric acid
14	The trade name of polytetrafluoroethylene (PTFE) is	A. Teflon B. PVC C. Terelene D. Polyester

15	The ratio of the ionization energy of H and $\text{Be}^{3+}$ is	B. 1 : 3 C. 1 : 9 D. 1 : 16
16	Which of the following is a biodegradable polymer?	A. Cellulose B. Polyethene C. Polyvinyl chloride D. Nylon-6
17	Cyanoform is _____ acid in nature than the chloroform. The missing word is	A. Stronger B. Weaker C. Amphoteric D. Neutral
18	Which of the following elements is most metallic?	A. P B. As C. Sb D. Bi
19	When aqueous NaCl is electrolyzed, which of the following ions get discharged at anode :	A. $\text{H}^+$ B. $\text{Na}^+$ C. $\text{OH}^-$ D. $\text{Cl}^-$
20	Which is an amorphous solid.	A. NaCl B. NaOH C. Diamond D. Rubber